

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	Liebmann-Vinson.IN. Chaney.IN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 12:51
S2	25	"4822741"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/11 15:12
S3	11	Heidaran.IN. AND Rowley.IN. AND @ad<="20030912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/11 15:15
S4	2	"20020176727" A1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/11 15:30
S5	2	"20020076727" A1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/11 15:19
S6	107	"5077210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/11 15:30
S7	7	(Polymeric matrix) SAME (Cell-adhes\$) AND @ad<="20030912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 13:01
S8	402	(Bio Sensor OR Sensing) SAME (Cell adhesive) AND @ad<="20030912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 13:11
S9	7	(Bio Sensor OR Sensing) SAME (Cell adhesive) SAME (Matrix) AND @ad<="20030912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 13:11

EAST Search History

S10	223	(oxygen Sensor OR Sensing) SAME (Cell adhesion) AND @ad<="20030912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 13:12
S11	33	"5567598"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 15:52
S12	304	(Oxygen Sensors) SAME (Cell Growth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 15:54
S13	7	(Oxygen ADJ Sensor) SAME (Cell ADJ Growth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 16:05
S14	90	(Adherent WITH cell WITH detection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 16:10
S15	62	(Adherent WITH cell WITH detection) AND @ad<="20030912"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/01/15 16:13

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/027863

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N5/00 C12N11/00 C12M3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N G01N B05D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MASSIA S P ET AL: "COVALENT SURFACE IMMOBILIZATION OF ARG-GLY-ASP AND TYR-ILE-GLY-SER-ARG-CONTAINING PEPTIDES TO OBTAIN WELL-DEFINED CELL-ADHESIVE SUBSTRATES"	1,3,4, 10-12,14
Y	ANALYTICAL BIOCHEMISTRY, vol. 187, no. 2, 1990, pages 292-301, XP009036101 ISSN: 0003-2697 page 293, right-hand column, paragraph 1 ----- -/--	5-9,15, 20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

G document member of the same patent family

Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

29/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Stolz, B

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/027863

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCHOLL M ET AL: "ORDERED NETWORKS OF RAT HIPPOCAMPAL NEURONS ATTACHED TO SILICON OXIDE SURFACES" JOURNAL OF NEUROSCIENCE METHODS, ELSEVIER SCIENCE PUBLISHER B.V., AMSTERDAM, NL, vol. 104, no. 1, 15 December 2000 (2000-12-15), pages 65-75, XP000992294 ISSN: 0165-0270 figure 1	1,3,4, 10-12,14
X	AUCOIN L ET AL: "Interactions of corneal epithelial cells and surfaces modified with cell adhesion peptide combinations" JOURNAL OF BIOMATERIALS SCIENCE. POLYMER EDITION, VSP, UTRECHT, NL, vol. 13, no. 4, 2002, pages 447-462, XP002978005 ISSN: 0920-5063	1,2,4-7, 10,11,14
Y		8,9,15, 20
X	US 4 822 741 A (BANES ALBERT J) 18 April 1989 (1989-04-18) example 5	1,2,5-7, 10,14
X	WO 03/044158 A (BECTON DICKINSON CO ; HEIDARAN MOHAMMAD A (US); ROWLEY JOHN A (US); HE) 30 May 2003 (2003-05-30) paragraphs '0025!', '0046!'; claims 1-13; example 1	1,3-7, 10,11, 14-19 8,9,20
Y		
X	US 2002/076727 A1 (CARDONE MICHAEL H ET AL) 20 June 2002 (2002-06-20) paragraphs '0037!', '0045!', '0046!', '0052!', '0140!', '0145!'	1,2,4, 11,12, 14,15
Y	WO 98/12348 A (BECTON DICKINSON CO ; BURRELL GREGORY J (US); HU JOANNA KWOK YU (US);) 26 March 1998 (1998-03-26) the whole document	8,9,20
Y	US 5 077 210 A (BREDEHORST REINHARD ET AL) 31 December 1991 (1991-12-31) figure 1	1,3-7, 10-12, 14,15
Y	WO 02/48426 A (UNIV NORTH CAROLINA) 20 June 2002 (2002-06-20) page 6, line 18 - line 23; figure 8 ----- -/--	1,3-7, 10-12, 14,15

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/027863

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/31734 A (UNIV UTAH RES FOUND) 23 July 1998 (1998-07-23) page 7; figure 1 -----	1-20
A	WO 00/60356 A (KAPUR RAVI ; ADAMS TERRI (US); CELLOMICS INC (US)) 12 October 2000 (2000-10-12) abstract -----	1-20
A	WO 01/55248 A (WISCONSIN ALUMNI RES FOUND) 2 August 2001 (2001-08-02) abstract -----	1-20